| Index of Claims |               |          |          |               |           |           |          |          |           |     |           |     |                        | Application No. |              |              |           |           |                 |          |                     |           |                         | Applicant(s) |            |          |          |                     |          |          |           |           |              |   |
|-----------------|---------------|----------|----------|---------------|-----------|-----------|----------|----------|-----------|-----|-----------|-----|------------------------|-----------------|--------------|--------------|-----------|-----------|-----------------|----------|---------------------|-----------|-------------------------|--------------|------------|----------|----------|---------------------|----------|----------|-----------|-----------|--------------|---|
|                 |               |          |          |               |           |           |          |          |           |     |           |     | 09                     | 9/8             | 73           | .74          | 1         |           |                 |          |                     |           |                         | В            | ΗA         | П        | TI E     | ET.                 | AL.      |          |           |           |              |   |
|                 |               |          |          |               |           |           |          |          |           |     |           |     | 09/873,741<br>Examiner |                 |              |              |           |           |                 |          |                     |           | BHATTI ET AL.  Art Unit |              |            |          |          |                     |          |          |           |           |              |   |
|                 |               | Ш        |          | Ш             |           |           |          | Ш        | Ш         |     |           |     |                        |                 |              | _            |           |           | _               |          |                     |           |                         |              |            |          |          |                     |          |          |           |           |              |   |
|                 |               |          |          |               |           |           |          |          | 110111    |     |           |     |                        |                 |              | Ta           | am        | my        | <b>/</b> Τ      | N        | guy                 | /en       |                         |              |            |          | 21       | 144                 | <u> </u> |          |           |           | _            | _ |
| Г               | - 1           |          |          |               | $\neg$    |           | 1        | ٦        |           |     |           | l   |                        |                 |              |              | $\neg$    | ſ         |                 |          |                     |           |                         |              | 1          | $\Box$   |          |                     |          |          |           | $\neg$    |              |   |
| -               | ا             | Re       | jec      | te            | d         |           |          | -        | '         | (II | iroi<br>C |     | ı nı<br>cell           |                 | era          | 1)           |           |           | N               | N        | lon-                | -Ele      | ct                      | ed           |            | A        |          | A                   | pp       | eal      |           |           |              |   |
| ┝               | +             | _        |          |               | ┪         |           |          | _        |           |     |           |     |                        |                 |              | _            | ᅥ         | ł         | $\dashv$        |          |                     |           |                         |              |            | $\vdash$ |          |                     |          |          |           | $\dashv$  |              |   |
| :               | =             | ΑI       | low      | /ec           | <b>!</b>  |           |          | ÷        |           |     | R         | est | rict                   | ed              |              |              |           |           | 1               | Ir       | nter                | fere      | en                      | се           |            |          |          | Ob                  | je       | cte      | ď         |           |              |   |
|                 |               |          |          |               |           |           | ١        |          |           |     |           |     |                        |                 |              | _            | لب        |           |                 |          |                     |           | _                       |              | ,          |          |          |                     |          |          |           |           |              |   |
| Claim           |               | _        |          | 무             | ate       | · ·       | _        | - 1      | 긕         | -   | CI        | aim | 4                      |                 |              | _            | P         | ate       | -               |          |                     | _         | -                       | Cla          | aim        | L.       |          |                     | D        | ate      | _         |           | _            | _ |
| a a             | 8             | 32       | ္ဗါဗွ    | 9             |           |           |          |          |           |     | ਰ         | ] [ | Ē                      |                 |              |              |           |           |                 |          |                     |           |                         | ā            | nal        |          |          |                     |          |          | İ         |           |              |   |
| Original        | 11/20/04      | 7/28/05  | 2/2/06   | 3             |           | 1         |          | İ        |           | -   | Final     | 3   | Gigina                 |                 |              | 1            |           |           |                 |          |                     |           |                         | Final        | Original   |          |          |                     |          |          | .         |           |              |   |
|                 |               | $\dashv$ |          | 1             | $\dashv$  | $\dashv$  | _        | _        | 4         | -   |           | 5   |                        | +               | +            | 4            | $\dashv$  | _         |                 | _        | $\sqcup$            | _         | -                       |              | 101        | $\sqcup$ | 4        | -                   | $\dashv$ | 4        | 4         | +         | 4            |   |
|                 | _             | _        |          | <del>\</del>  | +         | $\dashv$  | $\dashv$ | -        | $\dashv$  | ŀ   |           |     | 2                      | +               | +            | +            | +         | -         | $\vdash$        | -        | Н                   | $\dashv$  | ŀ                       |              | 101        | $\vdash$ | $\dashv$ | $\dashv$            | $\dashv$ | $\dashv$ | $\dashv$  | +         | +            |   |
| 3               | 1             | 1        | √ .      | V             | $\Box$    |           |          |          | $\Box$    | Ţ   |           | 5   | 3                      | $\downarrow$    | ightharpoons | コ            | $\Box$    |           | $\square$       | $\Box$   |                     | $\exists$ | Į                       |              | 103        |          | $\Box$   | $\rightrightarrows$ | ゴ        |          | コ         | 1         | 1            |   |
|                 |               |          | V .      | <del>}</del>  | $\dashv$  |           | _        | -        | $\dashv$  | -   |           | 5   | 4                      | +               | +            | $\dashv$     | 4         | -         | $\vdash$        |          | $\vdash \downarrow$ | _         | ŀ                       |              | 104<br>105 | $\vdash$ | 4        | $\dashv$            | -        | $\dashv$ | $\dashv$  | +         | $\dashv$     |   |
|                 | $\overline{}$ | -        | _        | オ┼            | +         | $\dashv$  | 러        | $\dashv$ | $\dashv$  | ŀ   |           | 5   |                        | +               | +            | +            | $\dashv$  | $\dashv$  | $\dashv$        | $\dashv$ | H                   | $\dashv$  | ŀ                       |              | 106        | $\vdash$ | $\dashv$ | $\dashv$            | $\dashv$ | $^{+}$   | +         |           | $\dashv$     | _ |
|                 |               | _        |          | V             |           | $\Box$    |          |          |           |     |           | 5   | 7                      |                 | 1            | $\Box$       |           |           |                 |          |                     |           | Ţ                       |              | 107        |          |          |                     |          | 耳        |           |           | $\Box$       | _ |
|                 | 1             | _        |          | <del>\ </del> | $\dashv$  | $\dashv$  |          | -        | _         | }   |           | 5   |                        | +               | +            | +            | $\dashv$  | -         | $\dashv$        |          | $\vdash \vdash$     | -         | ŀ                       |              | 108<br>109 | $\vdash$ | $\dashv$ | $\dashv$            |          | $\dashv$ | _         |           | +            |   |
|                 | _             | _        |          | 1             | +         |           |          | $\dashv$ | ┪         | ŀ   |           | 6   | 0                      | $\dagger$       | +            | +            | T         |           | H               | $\dashv$ | H                   |           | Ì                       |              | 110        | Н        | $\dashv$ | $\dashv$            | +        | +        | 7         | $\dashv$  | $\dashv$     |   |
| 11              | 1             | _        | _        | 1             | _         |           |          |          |           | ļ   |           | 6   | 1                      | 1               | 1            | 1            | $\exists$ |           | $\Box$          |          | П                   |           | ļ                       |              | 111        |          | $\Box$   | 1                   | $\Box$   | 耳        | $\Box$    | $\Box$    | $\Box$       |   |
|                 |               |          |          | 1             | $\dashv$  |           |          | $\dashv$ | -         | ŀ   |           |     | 2                      | +               | +            | +            | $\dashv$  | $\dashv$  |                 |          | Н                   | $\dashv$  | ŀ                       |              | 112<br>113 |          | $\dashv$ | $\dashv$            | $\dashv$ | -+       | -         | $\dashv$  | +            |   |
| 14              | i             |          |          | i             |           |           |          |          | =         | t   |           | 6   | 4                      | 1               |              | $\forall$    | 1         |           |                 |          |                     |           | t                       |              | 114        | П        |          | $\neg$              |          | $\dashv$ | $\exists$ | $\exists$ | $\exists$    |   |
|                 | 1             | 1        | √ .      | <b>√</b>      | $\Box$    | _         |          |          | $\exists$ | F   |           |     | 5                      | 4               | 4            | $\downarrow$ | _         |           |                 |          |                     |           | ļ                       |              | 115        |          |          | $\dashv$            | $\dashv$ | $\Box$   | $\dashv$  |           |              |   |
| 16<br>17        | -             | $\dashv$ | +        | +             | +         | $\dashv$  | _        | $\dashv$ | $\dashv$  | ŀ   |           | 6   |                        |                 | +            | +            | $\dashv$  | $\dashv$  | $\vdash$        | -        | $\vdash$            | $\dashv$  | $\cdot$                 |              | 116<br>117 | $\vdash$ | +        | $\dashv$            | $\dashv$ | -        | $\dashv$  | -         | +            |   |
| 18              |               | _        |          | 1             | $\exists$ | $\exists$ | _        |          |           | į   |           | 6   | 8                      |                 | Ì            | $\exists$    | 士         |           |                 |          |                     |           | t                       |              | 118        |          |          |                     | ╛        |          |           |           |              |   |
| 19              | 4             | 4        |          | $\perp$       | 4         |           |          |          | _         | -   |           |     | 9                      | 4               | 4            | $\downarrow$ | $\dashv$  |           |                 | _        | Ш                   | _         | -                       |              | 119        |          |          | _                   | 4        | _        |           | 4         |              |   |
| 20              | +             | $\dashv$ | +        | +             | ┪         | $\dashv$  | _        |          | $\dashv$  | }   |           | 1 7 | 0 1                    | +               | +            | ╅            | +         | -         |                 | $\dashv$ | $\vdash$            | $\dashv$  | ŀ                       |              | 120<br>121 | $\vdash$ |          | $\dashv$            | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$     |   |
| 22              |               |          |          | #             |           |           |          |          | ╛         |     |           | 7   | 2                      |                 |              | 1            | 寸         |           |                 |          |                     | ゴ         | ļ                       |              | 122        |          |          |                     |          | $\Box$   |           |           | $\exists$    |   |
| 23              | 4             | $\dashv$ | +        | -             | -         | _         |          |          | 괵         | -   |           |     | 3 4                    | $\dashv$        | +            | $\dashv$     | 4         | _         | Ц               | _        |                     | 4         | -                       |              | 123<br>124 |          |          | 4                   | $\dashv$ |          | $\dashv$  | +         | $\dashv$     |   |
| 25              | $\dashv$      | $\dashv$ | +        | $\dashv$      | ┪         | $\dashv$  | _        |          | ⊣         | ŀ   |           |     | 5                      | +               | +            | +            | +         |           |                 |          | $\vdash$            |           | ŀ                       |              | 125        |          | +        | +                   | _        | +        | $\dashv$  | +         | $\dashv$     |   |
| 26              |               |          |          | ユ             |           |           |          |          |           |     |           | 7   | 6                      |                 | $\perp$      | ⇉            |           |           |                 |          |                     |           | Ţ                       |              | 126        |          |          |                     |          | $\Box$   |           |           | _            |   |
| 27              | -             | $\dashv$ | $\dashv$ | +             | -         | -         |          | _        |           | ŀ   |           |     | 7<br>8                 | +               | +            | $\dashv$     | $\dashv$  |           |                 |          | $\vdash$            | 4         | ŀ                       |              | 127<br>128 |          |          | +                   | $\dashv$ | $\dashv$ | -         | $\dashv$  | $\dashv$     |   |
| 29              | +             | $\dashv$ | $\dashv$ | +             | +         | _         |          |          | $\dashv$  | ł   |           |     | 9                      | $\dashv$        | ╅            | $\dashv$     | +         | $\exists$ |                 |          | $\vdash$            | -         | ł                       |              | 129        | $\vdash$ | -        | $\dashv$            | $\dashv$ | $\dashv$ |           | -+        | $\dashv$     |   |
| 30              |               |          |          | $\Box$        |           |           |          |          |           | Į   |           | 8   | 0                      |                 | 丁            |              |           |           |                 |          |                     |           | Ţ                       |              | 130        |          |          |                     |          | $\Box$   |           | $\Box$    | $\downarrow$ |   |
| 31              |               | $\dashv$ | +        | 4             | -         | $\dashv$  | _        | _        | $\dashv$  | -   |           |     | 1 2                    | $\dashv$        | +            | $\dashv$     |           |           | Н               |          | $\sqcup$            | $\dashv$  | }                       |              | 131<br>132 |          |          | $\dashv$            | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$     |   |
| 33              | $\dashv$      | +        | +        | +             | $\dashv$  | -         |          | $\dashv$ | $\dashv$  | ŀ   |           |     | <del>2</del>           | +               | +            | +            | $\dashv$  |           | $\vdash$        |          | $\vdash$            | $\dashv$  | 1                       |              | 133        |          | $\vdash$ | $\dashv$            | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$     |   |
| 34              | $\Box$        | 耳        |          |               | $\Box$    |           |          |          |           | ţ   |           | 8   | 4                      | ightharpoons    | $\downarrow$ | $\downarrow$ |           |           |                 |          |                     |           | ļ                       |              | 134        |          | $\Box$   | $\sqsupset$         | $\Box$   | $\Box$   |           | 1         | $\sqsupset$  |   |
| 35<br>36        | $\dashv$      | $\dashv$ | +        | 4             | $\dashv$  | $\dashv$  | _        | $\dashv$ | $\dashv$  | -   |           |     | 5<br>6                 | +               | +            | 4            | $\dashv$  |           | $\vdash \vdash$ | _        | $\vdash$            | $\dashv$  | }                       |              | 135<br>136 |          | -        | $\dashv$            | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$     |   |
| 37              | $\dashv$      | $\dashv$ | +        | +             | $\dashv$  | $\dashv$  |          | $\dashv$ | $\dashv$  | ŀ   |           |     | <del>}</del>           | +               | +            | $\dashv$     | $\dashv$  | _         | H               |          | $\vdash \vdash$     | $\dashv$  | ł                       |              | 137        | +        | +        | $\dashv$            | -        | $\dashv$ | $\dashv$  | $\dashv$  | $\dashv$     |   |
| 38              |               |          | 丰        | $\downarrow$  | $\Box$    | $\Box$    |          |          |           | ļ   | _         | 8   | 8                      | 1               | $\dashv$     | $\dashv$     | $\Box$    |           |                 |          |                     |           | ļ                       |              | 138        |          | $\Box$   | $\Box$              | $\Box$   | $\Box$   | $\Box$    | #         | $\sqsupset$  |   |
| 39<br>40        | +             | $\dashv$ | +        | +             | -         | _         | _        | $\dashv$ | $\dashv$  | -   |           |     | 9                      | +               | +            | +            | $\dashv$  | -         | Н               | _        | H                   | 4         | -                       |              | 139<br>140 |          | -        | $\dashv$            | 4        | $\dashv$ |           | +         | $\dashv$     |   |
| 41              | $\dashv$      | $\dashv$ | +        | $\dashv$      | $\dashv$  | $\dashv$  |          | $\dashv$ | $\dashv$  | ŀ   |           |     | 1                      | +               | $\dashv$     | +            | +         | -         | Н               |          | Н                   | $\dashv$  | H                       |              | 141        |          | $\vdash$ | $\dashv$            | -1       | $\dashv$ | $\dashv$  | $\dashv$  | +            |   |